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Coyle, F.P.;  
Software, IEEE  
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Carr, D.; Kizior, R.J.;  
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Volume 17, Issue 2, March-April 2000 P  
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- 3. Reusing legacy COBOL code with UMI Wide Spectrum Language  
Pu, J.; Zhang, Z.; Xu, Y.; Yang, H.;  
Information Reuse and Integration, Conf.,  
Conference on  
15-17 Aug. 2005 Page(s): 78 - 83  
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- 4. COBOL Script: a business-oriented script  
Imajo, T.; Miyake, T.; Sato, S.; Ito, T.; Y  
Enterprise Distributed Object Computing

Proceedings, Fourth International  
25-28 Sept 2000 Page(s): 231 - 240  
Digital Object Identifier 10.1109/EDOC.2  
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- 5. Cobol: a historic past, a vital future?  
Glass, R.L.;  
Software, IEEE  
Volume 16, Issue 4, July-Aug. 1999 Page(s): 1 - 10  
Digital Object Identifier 10.1109/52.7769  
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- 6. Cobol in an object-oriented world: a lead  
Hardgrave, B.C.; Reed Doke, K.;  
Software, IEEE  
Volume 17, Issue 2, March-April 2000 Page(s): 1 - 10  
Digital Object Identifier 10.1109/52.8416  
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- 7. Cobol for the next millennium  
Schricker, D.;  
Software, IEEE  
Volume 17, Issue 2, March-April 2000 Page(s): 1 - 10  
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- 8. Object-oriented analysis of COBOL  
Fantechi, A.; Nesi, P.; Somma, E.;  
Software Maintenance and Reengineering  
Euromicro Conference on  
17-19 March 1997 Page(s): 157 - 164  
Digital Object Identifier 10.1109/CSMR.1  
AbstractPlus | Full Text: [PDF\(660 KB\)](#)  
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- 9. A foundation for tools to maintain and :  
Dixon, P.T.;  
Reverse Engineering for Software Based  
10 Nov 1994 Page(s): 8/1 - 8/3  
AbstractPlus | Full Text: [PDF\(116 KB\)](#)
- 10. Migrating COBOL systems to the Web  
Bodduin, T.; Guardabascio, F.; Tortorella,  
Reverse Engineering, 2002, Proceedings  
29 Oct.-1 Nov. 2002 Page(s): 329 - 338  
Digital Object Identifier 10.1109/WCRE.  
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- 11. Object-oriented COBOL recycling  
Sneed, H.M.;  
Reverse Engineering, 1996, Proceedings  
8-10 Nov. 1996 Page(s): 169 - 178  
Digital Object Identifier 10.1109/WCRE.

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- 12. **Cobol: perception and reality**  
Arranga, E.C.; Coyle, F.P.;  
*Computer*  
Volume 30, Issue 3, March 1997 Page(s):  
Digital Object Identifier 10.1109/2.57368  
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- 13. **Type inference for COBOL systems**  
Vah Deursen, A.; Moonen, L.  
*Reverse Engineering, 1998. Proceedings.*  
12-14 Oct. 1998 Page(s): 220 - 230  
Digital Object Identifier 10.1109/WCRE.  
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- 14. **A practical system of COBOL program**  
Yang, H.; Chu, W.C.; Sun, Y.;  
*Software Technology and Engineering Pr*  
*IEEE International Workshop on Incorpor*  
*Engineering*  
14-18 July 1997 Page(s): 45 - 57  
Digital Object Identifier 10.1109/STEP.1  
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- 15. **The real creators of Cobol**  
Sammet, J.E.  
*Software, IEEE*  
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Digital Object Identifier 10.1109/52.8416  
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- 16. **Cobol tools: overview and taxonomy**  
Arranga, E.C.  
*Software, IEEE*  
Volume 17, Issue 2, March-April 2000 |  
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- 17. **Legacy integration-changing perspective**  
Goyal, F.P.  
*Software, IEEE*  
Volume 17, Issue 2, March-April 2000 |  
Digital Object Identifier 10.1109/52.8416  
[AbstractPlus](#) | [References](#) | Full Text: [PD](#)  
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- 18. **An adapter to promote reusability of C**  
Chia-Chu Chiang;  
*Information Technology: Coding and Co*  
*International Conference on*  
Volume 2, 4-6 April 2005 Page(s): 310 -  
Digital Object Identifier 10.1109/ITCC.2005

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- 19. **Revitalizing modifiability of legacy assets**  
Veerman, N.: Software Maintenance and Reengineering  
European Conference on  
26-28 March 2003 Page(s): 19 - 29  
Digital Object Identifier 10.1109/CSMR.  
[AbstractPlus](#) | Full Text: [PDF\(304 KB\)](#)  
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- 20. **Migration of procedurally oriented CO<sub>2</sub> oriented architecture**  
Sneed, H.M.: Software Maintenance, 1992. Proceeding  
9-12 Nov. 1992 Page(s): 105 - 116  
Digital Object Identifier 10.1109/ICSM.1  
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- 21. **Development of CORBA components in interoperability**  
Chia-Chu Chiang: Software Maintenance, 2004. Proceeding  
Conference on  
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Digital Object Identifier 10.1109/ICSM.2  
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- 22. **Using knowledge-based transformation programs**  
Harmer, T.J.; McParland, P.J.; Boyle, J.N.: Knowledge-Based Software Engineering  
the 11th  
25-28 Sept. 1996 Page(s): 114 - 123  
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- 23. **Automatic variable classification for C**  
Chen, X.P.; Tsai, W.T.; Joiner, J.K.; Gan, C.: Computer Software and Applications Con  
Proceedings, Eighteenth Annual Internat  
9-11 Nov. 1994 Page(s): 432 - 437  
Digital Object Identifier 10.1109/CMPSA.  
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- 24. **Third-generation versus fourth-genera**  
Misra, S.K.; Falics, P.J.: Software IEEE  
Volume 5, Issue 4, July 1988 Page(s): 8  
Digital Object Identifier 10.1109/52.1779  
[AbstractPlus](#) | Full Text: [PDF\(728 KB\)](#)  
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- 25. An empirical comparison of textual an**

**documentation for Cobol programs**

Lehman, J.A.

Software Engineering, IEEE Transactions on

Volume 15, Issue 9, Sept 1989 Page(s):

Digital Object Identifier 10.1109/32.3137

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cobol conversion conditional and action

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[Assembler to C Migration using the FermaT Transformation System - group of 15 »](#)

M Ward - IEEE International Conference on Software Maintenance (ICSM ...  
- doi.ieeecs.org

... assessment and semi-automated **conversion** facilities; (c ... C header files  
or **COBOL** data

divi ... Specialised transformations **convert conditional** assignments to cc ...

[Cited by 39 - Related Articles - Web Search](#)

[Description of Basic Algorithm in DETAB/65 Preprocessor](#)

D TEICHROEW - portal.acm.org

... Error Checking **COBOL** code is always generated. ... will pre- s If n equals  
the last

**condition**, redundancy exists ... **Conversion Example** The following is a step-  
by-step ...

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[Cobol for the Next Millennium - group of 2 »](#)

NEWD TYPES, C COMPILATION, D VALIDATION, EC ... -  
doi.ieeecomputersociety.org

... data, new intrinsic functions have been added to **convert** data between ...  
automatic argument

**conversion**. ... and methods using linkage conventions that **Cobol** does not ...  
[Web Search](#)

[Structured Programming in Cobol: An Approach for Application  
Programmers](#)

A Van Gelder - Communications, 1977 - portal.acm.org

... symbol, or multiway branch, and the **conditional action** symbol ... to be coded in a **Cobol** program; however ... of independent processes are date **conversion**, file handling ...

[Cited by 8 - Related Articles - Web Search](#)

### Very fast LR parsing

TJ Pennello - Proceedings of the 1986 SIGPLAN symposium on Compiler ..., 1986 - portal.acm.org

... A large **COBOL** grammar was used for the testing. ... Some assemblers automatically **convert**

a **conditional** jump whose target T is too far away into a **conditional** ...

[Cited by 25 - Related Articles - Web Search](#)

### Translation of Decision Tables - group of 2 »

UW Pooch - ACM Computing Surveys (CSUR), 1974 - portal.acm.org

... Decomposition and **conversion** algorithms for translating decision tables ... programming

languages, such as **COBOL**, FORTRAN, ALGOL ... **CONDITION STUB JI CONDITION ENTRY** ...

[Cited by 22 - Related Articles - Web Search](#)

### A methodology for machine language decompilation

BC Housel, MH Halstead - Proceedings of the 1974 annual conference, 1974 - portal.acm.org

... be bounded by a sequence of **conditional** Jump instructions ... a DO-group, which represents

the **action** to be ... [3] IBM, 1400 Autocoder to **COBOL Conversion Aid Program** ...

[Cited by 10 - Related Articles - Web Search](#)

### Control flow normalization for **COBOL/CICS** legacy systems - group of 13 »

M van den Brand, A Sellink, C Verhoef - Software Maintenance and Reengineering, 1998. Proceedings of ..., 1998 - ieeexplore.ieee.org

... a CICS application and data, allowing **conversion** of 3270 ... we discuss control flow

mechanisms specif for **COBOL**. ... 6 we discuss restructuring of **conditional constructs** ...

[Cited by 32 - Related Articles - Web Search](#)

Conversion of decision tables to computer programs

LI Press - Communications of the ACM, 1965 - portal.acm.org

... to devise a procedure for the **conversion** of limited ... evolves which contains only

one **condition** and is ... some intermediate language (ti'ORTRAN, **COBOL**, et(...) and ...

Cited by 16 - Related Articles - Web Search

COBOL 85 Language Reference - group of 2 »

C ReSource, VS Wang - weigel-mohamed.org

... In this example, if **condition- 1** and **condition-2** are ... in the ANSI X3.23a-1989 addendum

to **COBOL 85** define ... This includes mathematical, actuarial, time **conversion**

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L2	108	717/117.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 14:10
L3	566	717/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 14:10
L4	1528	(legacy or cobol) and (conditional or boolean or predicate ) and (action or event) and (relat\$7 or associat\$3 or map\$4 or group\$3 ) and (tag\$4 or annotat\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:19
L6	175	717/???.ccls. and l4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:14
L7	97	717/???.ccls. and l4 and (extract\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:14
L8	61	717/???.ccls. and l4 and (extract\$3 ) and (business or enterprise)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:14
L9	82	717/???.ccls. and (legacy or cobol) and (conditional or boolean or predicate ) and (action or event) and (relat\$7 or associat\$3 or map\$4 or group\$3 ) and (tag\$4 or annotat\$3 or identifier ) and (extract\$3 ) and (business or enterprise)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:16
L10	958	(conditional or boolean or predicate )same (tag\$4 or annotat\$3 or identifier ) and (extract\$3 ) and (business or enterprise)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:16

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L11	76	(conditional or boolean or predicate )same (tag\$4 or annotat\$3 or identifier ) and (extract\$3 ) and (business or enterprise) and 717/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:16
L12	16	I9 and I11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:16
L13	1509	(legacy or cobol) and (reuse or compatib\$5 ) and (conditional or boolean or predicate ) and (action or event) and (relat\$7 or associat\$3 or map\$4 or group\$3 ) and (tag\$4 or annotat\$3 or identifier )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:19
L14	330	(legacy or cobol) same (reuse or compatib\$5 ) and (conditional or boolean or predicate ) and (action or event) and (relat\$7 or associat\$3 or map\$4 or group\$3 ) and (tag\$4 or annotat\$3 or identifier )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:20
L15	1108	(legacy or cobol) same (reuse or compatib\$5 ) and (business or enterprise)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:20
L16	30	(legacy or cobol) same (reuse or compatib\$5 ) and (conditional or boolean or predicate ) and (action or event) and (relat\$7 or associat\$3 or map\$4 or group\$3 ) and (tag\$4 or annotat\$3 or identifier ) and 717/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:34
L17	0	(cobol) same (reuse or compatib\$5 or extract\$3 ) and identify\$3 near5 (conditional or boolean or predicate ) and identify\$3 near5 (action or event)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:39
L18	126	(reuse or compatib\$5 or extract\$3 ) and identify\$3 near5 (conditional or boolean or predicate ) and identify\$3 near5 (action or event)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:54

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L19	3238	conditional near3 (statement or instruction) same (annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (asociat\$4 or action or event or function or procedure or method) same (associat\$3 or annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:56
L20	362	conditional near3 (statement or instruction) same (annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (asociat\$4 or action or event or function or procedure or method) same (associat\$3 or annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (legacy nera3 reuse)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 14:59
L21	24	conditional near3 (statement or instruction) same (annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (asociat\$4 or action or event or function or procedure or method) same (associat\$3 or annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (legacy nera3 reuse) and (group\$3 near5 condition\$2 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:08
L22	1	convert\$3 near5 cobol and conditional near3 (statement or instruction) same (annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 ) and (asociat\$4 or action or event or function or procedure or method) same (associat\$3 or annotat\$4 or group\$3 or tag\$4 or select\$3 or determin\$5 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:09
L23	5	convert\$3 near5 cobol and conditional near3 (statement or instruction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:12
L24	1	(convert\$3 or transform\$3 ) near5 cobol and ((information or metadata) near3 (condition\$2 or predicate) ) same (statement or instruction)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:15
L25	18	(convert\$3 or transform\$3 ) near5 cobol and ((information or metadata) near3 (condition\$2 or predicate) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:40

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L26	8	("5742827").URPN.	USPAT	OR	OFF	2006/10/02 15:38
L27	2810259	(convert\$3 or transform\$3 ) near5 cobol (condition\$2 or predicate) and (action or event or procedure or function or method)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:41
L28	311	717/143.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:41
L29	162	717/143.ccls. and l27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:44
L30	44	extract\$3 near5 "business logic"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:46
L31	5	extract\$3 near5 "business logic" and cobol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:47
L32	17	extract\$3 near5 "business logic" and legacy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 15:47
L33	12	l32 not l31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:01
L34	7	"6199068" and cobol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:02
L35	0	"6199068.pn." and cobol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:09

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L36	0	"6199068.pn." and condition\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:25
L37	0	"6199068.pn." and predicate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:09
L38	0	"6199068.pn." and branch\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:09
L39	0	"6199068.pn." and jump\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:09
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L41	0	"6199068.pn." and condition\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 16:25
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